

KY RIVER AUTHORITY
Proposed Projects Involving Agency Bonds
(amounts in **bold** are the total budget)

2016-2018

(Projects listed by priority; descriptions are from the agency submission)

- | | | |
|----------|---|---------------------|
| 1 | Construct Lock and Dam 10
Reconstruction of Lock and Dam 10 and a renovation of the navigation lock. Dam 10 was built in 1905 and has outlived its design life. The lock has not been used in 15 years. The dam is the main water supply for the city of Winchester. (C-O) | \$21,000,000 |
| 2 | Design and Repair Dam 6
Replace metal sheet piles on dam, resurface lock landwall, repair upper lock sill. Repairs are needed to control leakage and prevent failure of existing sheet piling where fill between piling and dam has settled. This is needed to protect the existing timber dam and extend its life. The dam supplies water to the city of Wilmore. (C-PI) | \$2,299,000 |
| 3 | Design and Repair Dam 7
This project will include replacement of leaking sheet-piling and derrick stone to prevent leakage and stabilize existing dam. Repair upper sill to stabilize existing cut-off wall. This dam provides water to the city of Harrodsburg. The described repairs will extend the life of the dam by 15-20 years. (C-PI) | \$3,081,000 |

2018-2020

- | | | |
|---|----------------------------------|-------------|
| 1 | Design and Repair Dams 11 and 14 | \$3,102,000 |
| 2 | Design and Repair Dam 12 | 3,400,000 |
| 3 | Design and Repair Dam 13 | 3,928,000 |

KY RIVER AUTHORITY
Proposed Projects Involving Restricted Funds

2020-2022

Design and Repair Dams 1 and 2

\$1,000,000 RF

Repairs to Dam 1 and 2 will consist of replacing sheet piling, repairing cracks in abutment opposite the lock, surface crack repair, tree removal, replacing derrick stone, repairing the undermining, and replacing apron slabs. This would be considered a 15-20 year fix to the dam structure. The lock gates at Locks 1 and 2 were rehabilitated in fall 2014. (C-PI)

Design and Repair Dams 4 and 5

947,000 RF

Dam 4 repair cracks in abutment opposite the lock. Dam 5 Replace derrick stone at toe of dam, resurface river side lock wall, repair upper lock sill. Dam 4 provides water to the city of Frankfort. Dam 5 provides water to Wild Turkey Distillery, and the cities of Lawrenceburg and Versailles, and KY Utilities, and the Tyrone electric power plant. These repairs will extend the life of the facilities and safeguard the water supplies. (C-PI)